United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NDPES	yyyy/mm/dd	Inspection Type	Inspector	Fac Type
N		2012/07/10	R	R	1

Remarks

Inspection Work Days: 1.0 | Facility Self-Monitoring Evaluation Rating: | B1: | QA: | Reserved:

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NDPES permit number)	Entry Time/Date	Permit Effective Date
Scarborough State Beach **Narragansett RI**	**3:00 PM**	
	Exit Time/Date	Permit Expiration Date

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

No representatives of the Beach or Town present or notified.

Other Facility Data

Name, Address of responsible Official/Ti le/Phone and Fax Number.

Contacted: [ ] Yes [X] No

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

[ ] Permit	[ ] Self-Monitoring Program	[ ] Pretreatment	[ ] MS4
[ ] Records/Reports	[ ] Compliance Schedules	[ ] Pollution Prevention	
[ ] Facility Site Review	[ ] Laboratory	[X] Storm Water	
[ ] Effluent/Receiving Waters	[ ] Operations & Maintenance	[ ] Combined Sewer Overflow	
[ ] Flow Measurement	[ ] Sludge Handling/Disposal	[ ] Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

Unannounced reconnaissance of stormwater discharge locations at Scarborough State Beach. Inspectors David Turin, Erin Trainor, Hannah Zegler (intern), and Tali Smookler (intern).

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
David Turin	**USEPA, OES - SEW / 617-918-1598**	**08/28/2012**
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

Inspection Conclusion Data Sheet (ICDS)

FY2011

Inspector:_David Turin_____

Inspection Date: ___July 10, 2012_____

Facility Name/Address: ____Scarborough State Beach, Narragansett, RI
_____

Facility Manager/Title and Address (if different from facility address): ____Reconnaissance - no one contacted _____
_____

Facility Contact/Title and Address (if different from facility address):_____
_____

1. Media Type: (Check one)

□ CAA-Stationary □ CAA-Mobile Source □ CAA-112r
□ CAA-NESHAP
□ CWA-NPDES □ CWA-Pretreatment POTW □ CWA-Pretreatment IU
□ CWA 311 □ CWA 404 : CWA-Stormwater
□ EPCRA 313 □ EPCRA N313
□ RCRA-C □ RCRA-I
□ SDWA-UIC □ SDWA-PWSS
□ TSCA-Lead Paint □ TSCA-PCBs □ TSCA-Core □ TSCA-AHERA

2. Did you observe deficiencies (potential violations) during the inspection?

□ Yes : No

3. If you observed deficiencies, did you communicate them to the facility during the inspection?

□ Yes □ No

4. Deficiencies observed?

_____ Potential violation of a compliance schedule in an enforceable order.

_____ Potential failure to maintain a record or failure to disclose a document.

_____ Potential failure to maintain, inspect or repair equipment including meters, sensors, and recording equipment.

_____ Potential failure to complete or submit a notification, report, certification, or manifest.

_____Potential failure to obtain a permit, product approval, or certification.

_____ Potential failure to follow a required sampling or monitoring procedure or laboratory procedure.

_____ Potential failure to follow or develop a required management practice or procedure.

_____Potential failure to identify and manage a regulated waste or pollutant in any media.

_____ Potential failure to report regulated events such as spills, accidents, etc.

_____ Potential incorrect use of a material (e.g., pesticide, waste, product, etc.) or use of improper or unapproved material.

_____ Potential failure to follow a permit condition(s).

5 Did you observe or see the facility take any actions during the inspection to address the deficiencies communicated to the facility?

□ Yes □ No : N/A only if #3 was NO.

If YES, check only the action(s) actually observed/seen or write in a short description of the action in the "optional" section. (Check all that apply)

Action(s) taken

_____ Complete(d) a Notification or Report

_____ Correct(ed) Monitoring Deficiencies

_____ Correct(ed) Record Keeping Deficiencies

_____ Implemented New or Improved Management Practices or Procedures

_____ Improved Pollutant Identification (e.g., Labeling, Manifesting, Storage, etc.)

_____ Reduced Pollution (e.g., Use Reduction, Industrial Process Change, Emissions or Discharge Change, etc.)

_____ Request(ed) a Permit Application or Applied for a Permit

_____ Verified Compliance with Previously Issued Enforcement Action - Part or All Conditions

The following common air or water pollutant(s) **should only be checked** if the "Reduced Pollution" line was checked.

Water: 9 Ammonia 9BOD 9COD 9TSS 9O/G 9Total Coliform 9D.O.
9 Metals 9Cyanide 9 Other_____

Air: 9NOx 9SO2 9PM 9VOC 9Metals 9HAPs 9CO
9Other_____

6. Did you provide general compliance assistance in accordance with the policy on the Role of the EPA Inspector in Providing Compliance Assistance During Inspections?

□ Yes : No

7. Did you provide site-specific compliance assistance in accordance with the policy on the Role of the EPA Inspector in Providing Compliance Assistance During Inspections?

□ Yes : No

Optional Additional Information: EPA inspectors may wish to provide a narrative description of actions taken by the facility or assistance to help the facility come into compliance. (Narratives may be used in national or regional reports to provide examples of EPA inspection outcomes).

Unannounced reconnaissance of stormwater discharge locations at Scarborough State Beach. Inspectors David Turin, Erin Trainor, Hannah Zegler (intern), and Tali Smookler (intern).

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

November 13, 2012

Erin Trainor - EIA / OEME
US EPA New England R1

Project Number: 12100011
Project: Rhode Island Beaches
Analysis: HPLC/MS/MS Source Tracking Analysis
Analyst: Peter Philbrook

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, EIA-LCMS_STA.0.

The SOP is based on an EPA Regional Analytical Method developed at the EPA New England Laboratory.

Date Samples Received by the Laboratory: 10/10/2012

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

If you have any questions please call me at 617-918-8340 .

Sincerely,

Digitally signed by Dan Boudreau
DN: cn=Dan Boudreau, o=EPA, ou=EIA, email=boudreau.dan@epa.gov, c=US
Date: 2012.11.13 13:45:23 -05'00'

12100011$STA

Qualifiers

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
J = Estimated value
E = Estimated value exceeds the calibration range
L = Estimated value is below the calibration range
B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
P = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
C = The identification has been confirmed by GC/MS.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

HPLC/MS/MS Source Tracking Analysis

Client Sample ID:	SB01	Lab Sample ID:	AB34186
Date of Collection:	10/10/2012	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	7.62
Volume Extracted:	500 mL	Extract Dilution:	1

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	**0.99**	2.0	L
103-90-2	Acetaminophen	**0.53**	2.0	L
486-56-6	Cotinine	**1.3**	0.40	
611-59-6	1,7-Dimethylxanthine	**0.92**	2.0	L
58-08-2	Caffeine	**4.43**	4.0	B
298-46-4	Carbamazepine	**0.86**	0.40	
56392-17-7	Metoprolol	**0.61**	2.0	L

Surrogate Compounds	Recoveries (%)	QC Ranges
Primidone d5	66	23 - 181
Sulfamethazine 13C6	28	15 - 132

Comments: B = Caffeine was detected in the blank, value could be associated with blank contamination.

L = Estimated value is below the calibration range.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

HPLC/MS/MS Source Tracking Analysis

Client Sample ID:	SB02	Lab Sample ID:	AB34187
Date of Collection:	10/10/2012	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	7.08
Volume Extracted:	500 mL	Extract Dilution:	10

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	ND	20.0	
103-90-2	Acetaminophen	**260**	20.0	
486-56-6	Cotinine	**96**	4.00	
611-59-6	1,7-Dimethylxanthine	**450**	20.0	
58-08-2	Caffeine	**1500**	40.0	
298-46-4	Carbamazepine	ND	4.00	
56392-17-7	Metoprolol	ND	20.0	

Surrogate Compounds	Recoveries (%)	QC Ranges
Primidone d5	62	23 - 181
Sulfamethazine 13C6	108	15 - 132

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

HPLC/MS/MS Source Tracking Analysis

Client Sample ID:	SB03	Lab Sample ID:	AB34188
Date of Collection:	10/10/2012	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	7.34
Volume Extracted:	500 mL	Extract Dilution:	2

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	ND	4.00	
103-90-2	Acetaminophen	**15**	4.00	
486-56-6	Cotinine	**62**	0.80	
611-59-6	1,7-Dimethylxanthine	**49**	4.00	
58-08-2	Caffeine	**400**	8.00	
298-46-4	Carbamazepine	ND	0.80	
56392-17-7	Metoprolol	ND	4.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
Primidone d5	70	23 - 181
Sulfamethazine 13C6	110	15 - 132

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

HPLC/MS/MS Source Tracking Analysis

Client Sample ID:	SB09	Lab Sample ID:	AB34189
Date of Collection:	10/10/2012	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	6.97
Volume Extracted:	500 mL	Extract Dilution:	1 & 5

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	ND	2.0	
103-90-2	Acetaminophen	**13**	2.0	
486-56-6	Cotinine	**26**	2.00	
611-59-6	1,7-Dimethylxanthine	**94**	10.0	
58-08-2	Caffeine	**920**	20.0	
298-46-4	Carbamazepine	ND	2.00	
56392-17-7	Metoprolol	ND	10.0	

Surrogate Compounds	Recoveries (%)	QC Ranges
Primidone d5	52	23 - 181
Sulfamethazine 13C6	34	15 - 132

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

HPLC/MS/MS Source Tracking Analysis

Client Sample ID:	SB04	Lab Sample ID:	AB34190
Date of Collection:	10/10/2012	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	6.95
Volume Extracted:	500 mL	Extract Dilution:	2

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	ND	4.00	
103-90-2	Acetaminophen	**13**	4.00	
486-56-6	Cotinine	**12**	0.80	
611-59-6	1,7-Dimethylxanthine	**11**	4.00	
58-08-2	Caffeine	**310**	8.00	
298-46-4	Carbamazepine	ND	0.80	
56392-17-7	Metoprolol	ND	4.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
Primidone d5	62	23 - 181
Sulfamethazine 13C6	110	15 - 132

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

HPLC/MS/MS Source Tracking Analysis

Client Sample ID:	SB05	Lab Sample ID:	AB34191
Date of Collection:	10/10/2012	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	7.49
Volume Extracted:	500 mL	Extract Dilution:	2

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	ND	4.00	
103-90-2	Acetaminophen	**14**	4.00	
486-56-6	Cotinine	**10**	0.80	
611-59-6	1,7-Dimethylxanthine	**62**	4.00	
58-08-2	Caffeine	**200**	8.00	
298-46-4	Carbamazepine	ND	0.80	
56392-17-7	Metoprolol	**2.0**	4.00	L

Surrogate Compounds	Recoveries (%)	QC Ranges
Primidone d5	68	23 - 181
Sulfamethazine 13C6	63	15 - 132

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Rhode Island Beaches

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Water
Date of Extraction:	10/11/12	Final Volume:	1 mL
Date of Analysis:	10/31/12	pH:	6.96
Volume Extracted:	500 mL	Extract Dilution:	1

CAS Number	Compound	Concentration ng/L	RL ng/L	Qualifier
29122-68-7	Atenolol	ND	2.0	
103-90-2	Acetaminophen	ND	2.0	
486-56-6	Cotinine	ND	0.40	
611-59-6	1,7-Dimethylxanthine	ND	2.0	
58-08-2	Caffeine	**7.4**	4.0	
298-46-4	Carbamazepine	ND	0.40	
56392-17-7	Metoprolol	ND	2.0	

Surrogate Compounds	Recoveries (%)	QC Ranges
Sulfamethazine 13C6	77	
Primidone d5	92	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

MATRIX SPIKE (MS)

Rhode Island Beaches

Sample ID: AB34191

PARAMETER	SPIKE ADDED ng/L	SAMPLE CONCENTRATION ng/L	MS CONCENTRATION ng/L	MS % REC	QC LIMITS (% REC)
1,7-Dimethylxanthine	144	76	234	110	13 - 174
Acetaminophen	144	17	147	90	23 - 138
Atenolol	144	ND	108	75	49 - 137
Caffeine	288	250	499	87	31 - 156
Carbamazepine	29	ND	25.4	88	47 - 143
Cotinine	29	13	41	97	46 - 121
Metoprolol	144	2.4	199	137	60 - 140

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Duplicate Results

Rhode Island Beaches

Sample ID: AB34186

PARAMETER	SAMPLE RESULT ng/L	SAMPLE DUPLICATE RESULT ng/L	PRECISION RPD %	QC LIMITS
1,7-Dimethylxanthine	1.2	2.0	50.0	50
Acetaminophen	0.67	0.90	29.3	50
Atenolol	1.2	0.91	27.5	50
Caffeine	5.5	7.2	26.8	50
Carbamazepine	1.1	1.5	30.8	50
Cotinine	1.6	2.0	22.2	50
Metoprolol	0.76	0.70	8.22	50

Comments: Sample/Sample Duplicate Higher RPDs were observed due to reporting compounds near or below the Reporting Limit.

Laboratory Fortified Blank (LFB) Results

Rhode Island Beaches

PARAMETER	LFB AMOUNT SPIKED ng/L	LFB RESULT ng/L	LFB RECOVERY %	QC LIMITS %
1,7-Dimethylxanthine	120	107	89	64 - 135
Acetaminophen	120	73.5	61	48 - 122
Atenolol	120	101	84	52 - 128
Caffeine	240	204	85	68 - 126
Carbamazepine	24	21.0	88	65 - 121
Cotinine	24	21.3	89	60 - 120
Metoprolol	120	99.5	83	60 - 140

Comments:

ENVIRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
12100011	MSU Narragansett, RI RI Beaches

SAMPLERS: *(Signature)*

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	STA	REMARKS
SB01	10/10/12	10:00		X		1	X	
SB02		10:10						
SB03		10:15						
SB09		11:00						
SB04		11:36						
SB05		11:45		↓		↓	↓	

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
	10/10/12 1450				
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)* LSAT	Date / Time	Remarks	
			10/10/12 14:50	cc. Dave Turin for results (David)	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

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